Title (en)

RADIO COMMUNICATION HEAD-UP DISPLAY SYSTEM, RADIO COMMUNICATION EQUIPMENT, MOVING BODY, AND PROGRAM

Title (de)

HEADUP-ANZEIGESYSTEM MIT FUNKKOMMUNIKATION, FUNKKOMMUNIKATIONSGERÄT, BEWEGLICHER KÖRPER UND PROGRAMM

Title (fr)

SYSTÈME D'AFFICHAGE TÊTE HAUTE DE COMMUNICATION RADIO, ÉQUIPEMENT DE COMMUNICATION RADIO, CORPS MOBILE ET PROGRAMME

Publication

EP 3876224 A4 20220518 (EN)

Application

EP 19878669 A 20191028

Priority

- JP 2018207598 A 20181102
- JP 2019042128 W 20191028

Abstract (en)

[origin: EP3876224A1] A radio communication head-up display system includes a radio communication device including an imaging element, a first controller, and a first communication module, and a head-up display including a display panel, an optical element, an optical system, and a second controller. The imaging element is configured to generate a captured image. The first controller is configured to estimate eye-positions of eyes of a user based on the captured image. The first communication module is configured to transmit the eye-positions of the eyes of the user. The display panel is configured to display a parallax image. The optical element is configured to define a propagation direction of image light. The optical system is configured to project the image light whose propagation direction is defined by the optical element, toward a direction of the eyes of the user. The second communication module is configured to receive the eye-positions of the eyes. The second controller is configured to control the parallax image displayed on the display panel based on the eye-positions of the eyes received.

IPC 8 full level

B60K 35/00 (2006.01); **G02B 27/00** (2006.01); **G02B 27/01** (2006.01); **G02B 30/28** (2020.01); **G02B 30/31** (2020.01); **G09G 3/00** (2006.01); **H04N 13/305** (2018.01); **H04N 13/31** (2018.01); **H04N 13/346** (2018.01); **H04N 13/363** (2018.01); **H04N 13/366** (2018.01)

CPC (source: EP US)

B60K 35/00 (2013.01 - EP US); **B60K 35/10** (2024.01 - EP); **B60K 35/211** (2024.01 - EP); **B60K 35/22** (2024.01 - EP); **B60K 35/23** (2024.01 - EP); **G02B 27/0093** (2013.01 - EP US); **G02B 27/0101** (2013.01 - EP US); **G02B 27/0179** (2013.01 - US); **G02B 30/28** (2020.01 - EP US); **G02B 30/31** (2020.01 - EP US); **G09G 3/002** (2013.01 - EP); **H04N 13/305** (2018.05 - EP); **H04N 13/31** (2018.05 - EP); **H04N 13/363** (2018.05 - EP); **H04N 13/366** (2018.05 - EP); B60K 35/211 (2024.01 - US); B60K 35/29 (2024.01 - US); B60K 35/85 (2024.01 - US); B60K 2360/149 (2024.01 - EP); B60K 2360/1526 (2024.01 - EP); B60K 2360/1876 (2024.01 - US); B60K 2360/31 (2024.01 - US); B60K 2360/589 (2024.01 - US); G02B 2027/0187 (2013.01 - EP US)

Citation (search report)

- [XAY] WO 2018199185 A1 20181101 - KYOCERA CORP [JP]
- [IAY] US 2017046880 A1 20170216 - KASAZUMI KENICHI [JP], et al
- [IAY] WO 2014093100 A1 20140619 - JOHNSON CONTROLS TECH CO [US]
- [Y] EP 2930658 A1 20151014 - PANASONIC IP CORP AMERICA [US]
- See also references of WO 2020090714A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3876224 A1 20210908; **EP 3876224 A4 20220518**; **EP 3876224 B1 20240327**; CN 112868058 A 20210528; JP 2020071453 A 20200507; JP 7034052 B2 20220311; US 2021339628 A1 20211104; WO 2020090714 A1 20200507

DOCDB simple family (application)

EP 19878669 A 20191028; CN 201980068955 A 20191028; JP 2018207598 A 20181102; JP 2019042128 W 20191028; US 201917286317 A 20191028